

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

WIN-1233

Effective December 1, 2009

Revised August 1, 2011

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **February 2015**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

S150 Slimline Vinyl Picture Windows, Individual, Non-impact Resistant, manufactured by:

NT Windows, Inc.
4949 Rendon Road
Fort Worth, Texas 76140
Telephone: (800) 969-8830

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The S150 slimline window is a vinyl fixed window. The vinyl fixed windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for vinyl fixed windows based on the following tested constructions:

General Description:

System	Description	Label Rating
1	S150 Vinyl Fixed Windows; O	FW-C50 60 x 60
2	S150 Vinyl Fixed Windows; O	FW-C40 60 x 75

Product Dimensions:

System	Overall Size	Daylight Opening Size
1	60" x 60"	56 $\frac{7}{8}$ " x 56 $\frac{7}{8}$ "
2	60" x 75"	56 $\frac{13}{16}$ " x 71 $\frac{7}{8}$ "

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1
2	IG-2	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Description Key" for the glazing method description.

Glass Construction Key:

IG-1: The window contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two double strength ($\frac{1}{8}$ ") annealed glass lites separated by a silicone foam, single sealed spacer system. The glass thickness and type used in the insulating glass unit of the tested assembly and in smaller units shall comply with ASTM E 1300-04.

IG-2: The window contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two $\frac{3}{16}$ " annealed glass lites separated by a silicone foam, single sealed spacer system. The glass thickness and type used in the insulating glass unit of the tested assembly and in smaller units shall comply with ASTM E 1300-04.

Glazing Method Description Key:

GM-1: The insulated glass unit is interior glazed against silicone sealant. The insulating glass unit is secured in place with rigid vinyl glazing beads.

Frame Construction: The frame members are constructed of extruded vinyl (PVC). The frame corners are mitered and welded construction.

Sash Construction: N/A

Hardware: N/A

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (**NT-1**); product name: **Slimline S150 PW**; performance characteristics; the approved inspection agency (AAMA); and the applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	60	60	± 50
2	60	75	± 50

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will not need to be protected with an impact protective system.

Acceptance of Smaller Assemblies: Windows assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be prepared and installed in accordance with the manufacturers recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation:

System 1: The wall framing shall be minimum Spruce-Pine-Fir dimension lumber. The window is secured to the wall framing members using the window frame side jambs with minimum No. 8 x 2" screws. The fasteners shall be spaced approximately 6 inches from each corner. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 2: The wall framing shall be minimum Spruce-Pine-Fir dimension lumber. The window is secured to the wall framing members using the window frame side jambs with minimum No. 8 x 2" screws. The fasteners shall be spaced approximately 6 inches from each corner and one at the mid span of the window. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.